



# Material Safety Data Sheet



## Section 1 Company and Product Identification

L. Robinson & Company (Gillingham) Limited, Incorporating Jubilee® Clips Limited  
Owens Way, Gads Hill, Gillingham, Kent, ME7 2RS, UK

Tel: +44 (0)1634 281200

Fax: +44 (0)1634 280101

[http:// www.jubileeclips.co.uk](http://www.jubileeclips.co.uk)

Jubilee® Superclamps 316 Stainless Steel (W5) Range, manufactured to DIN3017

Part No.	Adjustment mm	Band Width mm	Band Thickness mm	Recommended Torque Nm	Maximum Torque Nm	Screw Head mm
JSC019SS316	17-19	18.0	0.6	4.5	6.0	8
JSC022SS316	20-22	18.0	0.6	4.5	6.0	8
JSC025SS316	23-25	18.0	0.6	4.5	6.0	8
JSC028SS316	26-28	18.0	0.6	4.5	6.0	8
JSC031SS316	29-31	18.0	0.6	4.5	6.0	8
JSC035SS316	32-35	20.0	1.0	6.0	8.0	10
JSC039SS316	36-39	20.0	1.0	6.0	8.0	10
JSC043SS316	40-43	20.0	1.0	6.0	8.0	10
JSC047SS316	44-47	20.0	1.0	6.0	8.0	10
JSC051SS316	48-51	20.0	1.0	6.0	8.0	10
JSC055SS316	52-55	20.0	1.0	6.0	8.0	10
JSC059SS316	56-59	20.0	1.0	6.0	8.0	10
JSC063SS316	60-63	20.0	1.0	6.0	8.0	10
JSC067SS316	64-67	25.0	1.2	18.5	25.0	13
JSC073SS316	68-73	25.0	1.2	18.5	25.0	13
JSC079SS316	74-79	25.0	1.2	18.5	25.0	13
JSC085SS316	80-85	25.0	1.2	18.5	25.0	13
JSC091SS316	86-91	25.0	1.2	18.5	25.0	13
JSC097SS316	92-97	25.0	1.2	18.5	25.0	13
JSC103SS316	98-103	25.0	1.2	18.5	25.0	13
JSC112SS316	104-112	25.0	1.2	18.5	25.0	13
JSC121SS316	113-121	25.0	1.2	18.5	25.0	13
JSC130SS316	122-130	25.0	1.2	18.5	25.0	13
JSC139SS316	131-139	25.0	1.2	18.5	25.0	13
JSC148SS316	140-148	25.0	1.2	18.5	25.0	13
JSC161SS316	149-161	25.0	1.5	18.5	25.0	13
JSC174SS316	162-174	25.0	1.5	18.5	25.0	13
JSC187SS316	175-187	25.0	1.5	18.5	25.0	13
JSC200SS316	188-200	25.0	1.5	18.5	25.0	13
JSC213SS316	201-213	25.0	1.5	18.5	25.0	13
JSC226SS316	214-226	25.0	1.5	18.5	25.0	13
JSC239SS316	227-239	25.0	1.5	18.5	25.0	13
JSC255SS316	240-255	25.0	1.5	18.5	25.0	13
JSC265SS316	253-265	25.0	1.5	18.5	25.0	13

## Section 2 Composition/Information on Ingredients

Composition/Information on constituents of iron alloy.

Manganese	< 11%
Chromium	< 30%
Nickel	< 38%
Mo	< 8 %

Other elements vary such as Si, Cu, Ti, in each alloy composition and are generally not classified as hazardous, or are below the concentration levels for classification of these alloys as hazardous, and are not subject to recognised exposure limits.

## Section 3 First Aid Measures

Inhalation:	There are no specific symptoms associated with steel in the product forms.
Skin:	There are no specific symptoms associated with steel in the product forms.
Eyes:	Not applicable.
Ingestion:	Not applicable.

## Section 4 Fire Fighting Measures

Non flammable

## Section 5 Handling and Storage

Store in a dry area

## Section 6 Physical and Chemical Properties

Colour:	Metallic grey/silver
Odour:	None
Form/state:	Solid
Melting point:	1454 °C
Max service temp:	870 °C
Min service temp:	-196 °C
Magnetism:	1.008 $\mu$
Resistance:	72 $\mu\Omega$
Density:	8.03 g/cm <sup>3</sup>

## Section 7 Stability and Reactivity

Stability:	Stable in normal condition
Reacts with:	Reacts with strong acids, and hydrogen is then one of the substances emitted.
Corrosion Resistance:	NSS 2000hours

## Section 8 Toxicological Information

Nickel is classified as a skin sensitizer however numerous patch tests have established that most stainless steels do not cause sensitization, but a few types may result in allergic skin reactions in sensitized individuals after prolonged contact.

No carcinogenic effects resulting from exposure to stainless steels have been reported, either in epidemiological studies or in tests with animals.

## **Section 9 Ecological Information**

No ecological effects are known for the product as a whole.

## **Section 10 Disposal Considerations**

Disposal method:       Recyclable, Jubilee® clips' 316 Stainless Steel Superclamp range are made from key raw material for the production of new stainless steel. Steel is the world's most recycled construction material and can be recycled with retained material properties.

## **Section 11 Transport Information**

No special requirements are necessary in transporting these products.

## **Section 12 Regulatory Information**

This product conforms to EU Regulation 1097/2006 (REACH)  
This product is compliant with EU directive 2011/65/EU (ROHS2)  
BS EN ISO 9001:2008 FM00547  
BS EN ISO 14001:2004 EMS573195  
BS OHSAS 18001:2007 OHS601983

Quality Assurance:



## **Section 13 Other Information**

The information above is believed to be accurate and represents the best information currently available to L. Robinson & Co Ltd. However, L. Robinson & Co Ltd make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall L. Robinson & Co Ltd be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if L. Robinson & Co Ltd has been advised of the possibility of such damages.

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